

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091020\
 Data File : BG046583.D
 Acq On : 10 Sep 2020 15:50
 Operator : CG/JU
 Sample : PB131517BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB131517BL

Quant Time: Sep 10 17:17:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

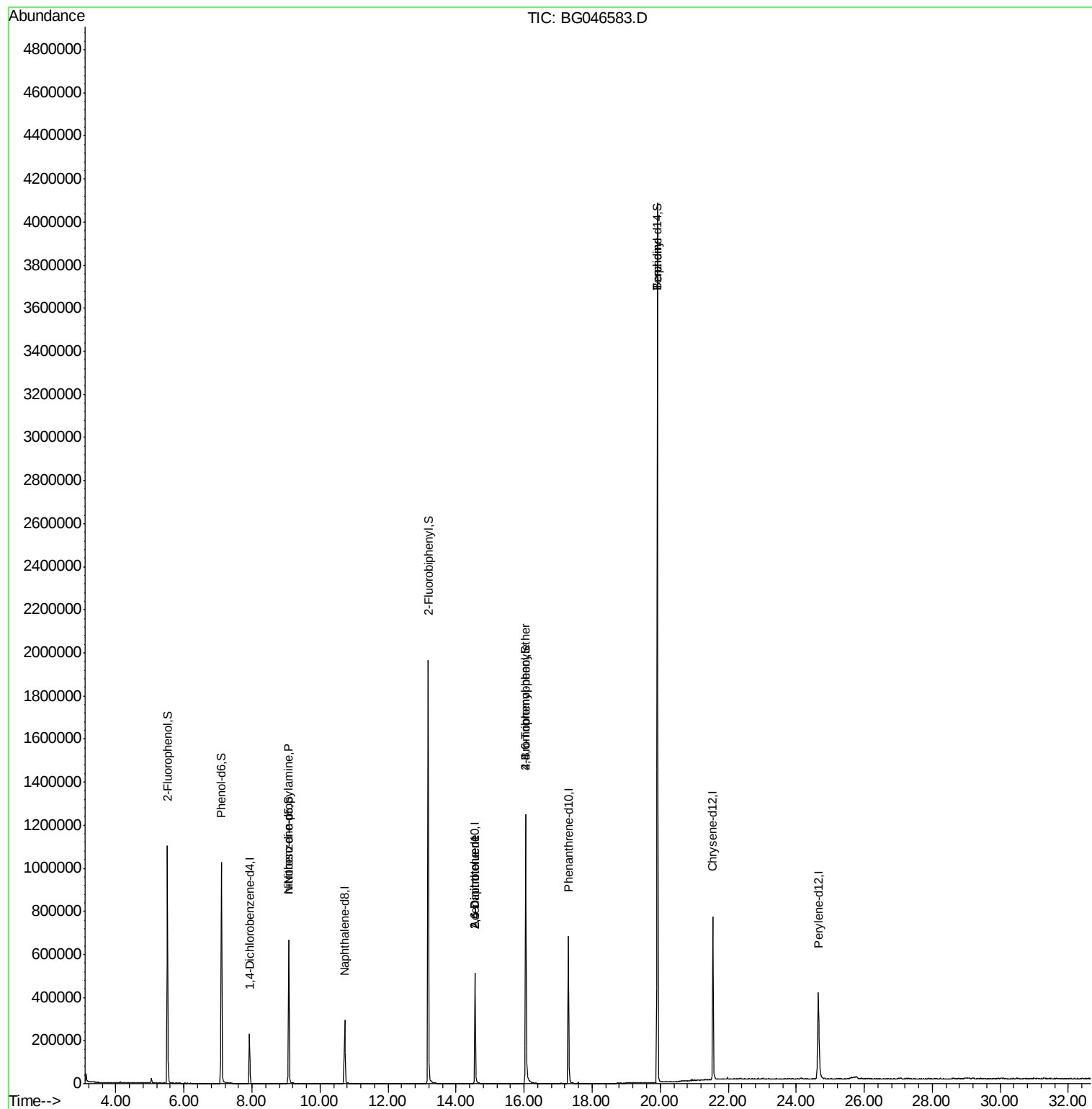
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	73584	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	297210	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	204951	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	484310	20.00	ng	0.00
76) Chrysene-d12	21.55	240	504119	20.00	ng	0.00
86) Perylene-d12	24.65	264	487474	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	507958	122.27	ng	0.00
7) Phenol-d6	7.10	99	657361	111.62	ng	0.00
23) Nitrobenzene-d5	9.08	82	432087	83.09	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	302151	108.81	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1162349	86.58	ng	0.00
79) Terphenyl-d14	19.92	244	1794205	75.74	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	55690	15.808	ng	# 75
51) 2,6-Dinitrotoluene	14.56	165	26782	7.662	ng	# 32
57) 2,4-Dinitrotoluene	14.56	165	26929	5.403	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	23346	4.132	ng	# 1
77) Benzidine	19.92	184	27099	2.313	ng	94

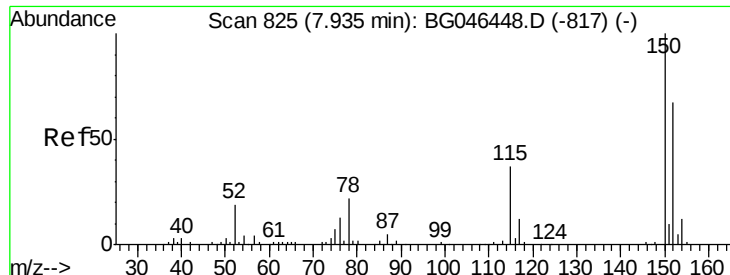
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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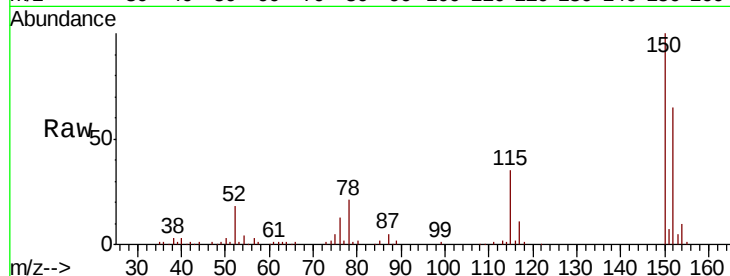


#1

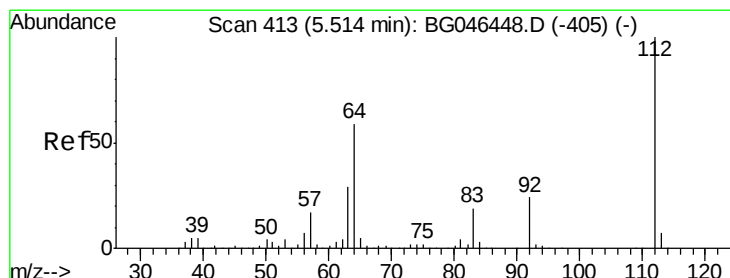
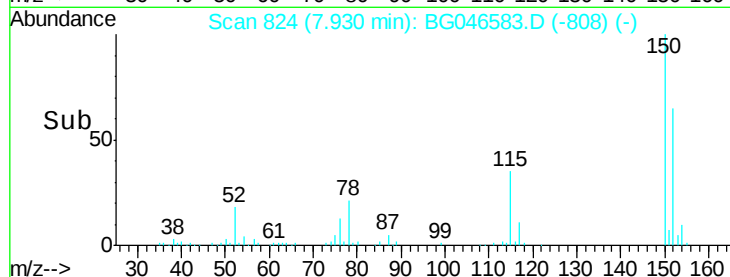
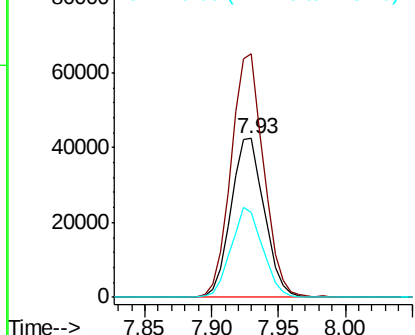
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BG046583.D
 Acq: 10 Sep 2020 15:50

Instrument :
 BNA_G
 ClientSampleId :
 PB131517BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	119.5	179.3
115	53.2	44.3	66.5



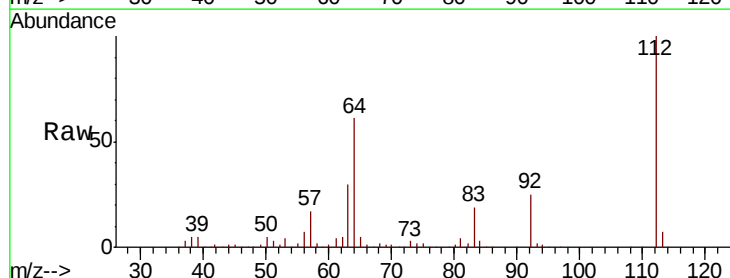
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



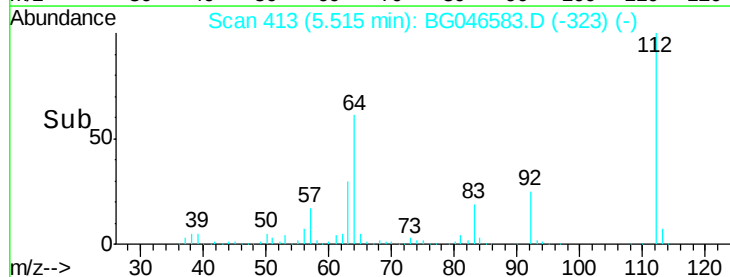
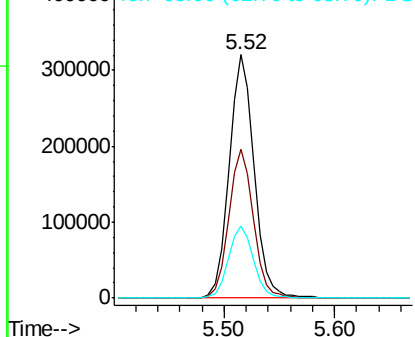
#5

2-Fluorophenol
 Concen: 122.267 ng
 RT: 5.52 min Scan# 413
 Delta R.T. 0.00 min
 Lab File: BG046583.D
 Acq: 10 Sep 2020 15:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.0	70.6
63	29.7	23.5	35.3



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BG
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 111.617 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046583.D

Acq: 10 Sep 2020 15:50

Instrument :

BNA_G

ClientSampleId :

PB131517BL

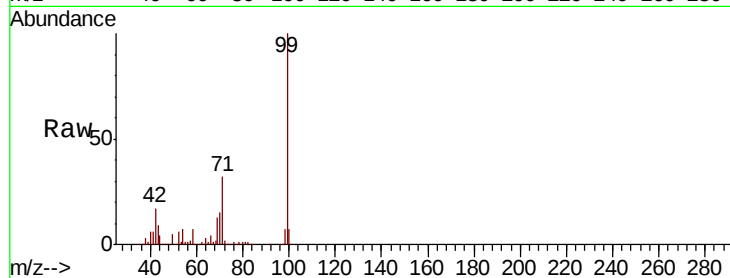
Tot Ion: 99 Resp: 657361

Ion Ratio Lower Upper

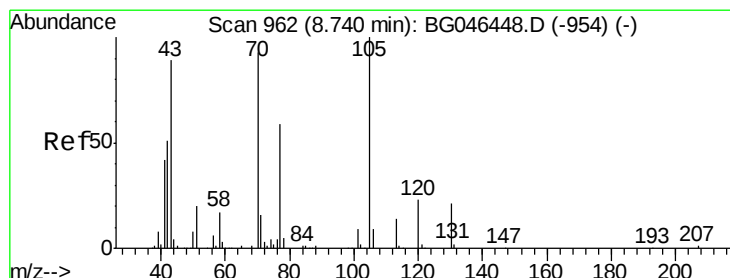
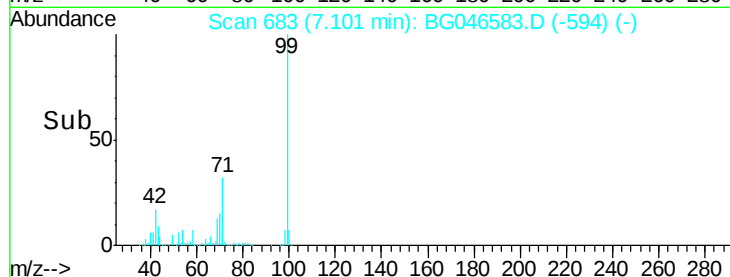
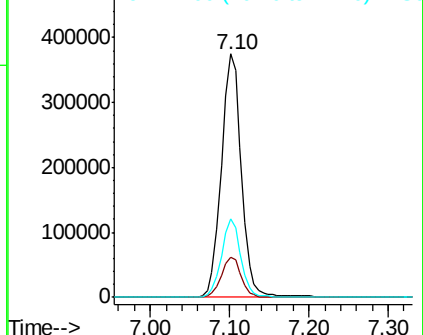
99 100

42 16.7 13.3 19.9

71 32.0 25.3 37.9



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 15.808 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046583.D

Acq: 10 Sep 2020 15:50

Tgt Ion: 70 Resp: 55690

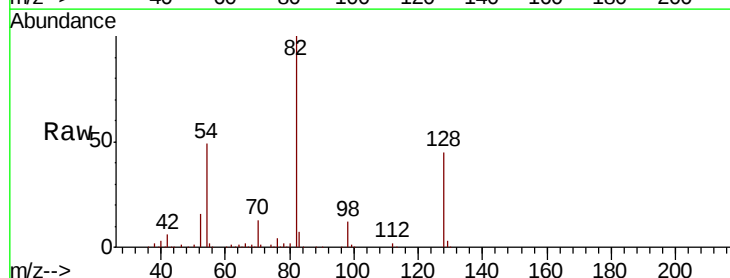
Ion Ratio Lower Upper

70 100

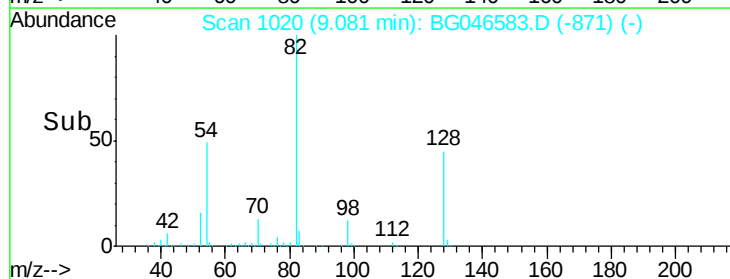
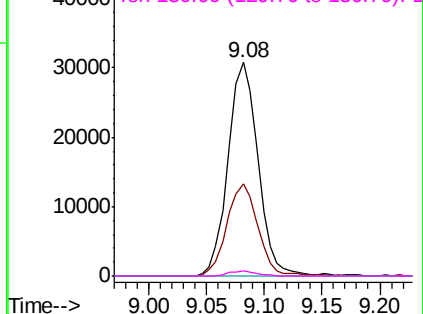
42 43.0 44.2 66.2#

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

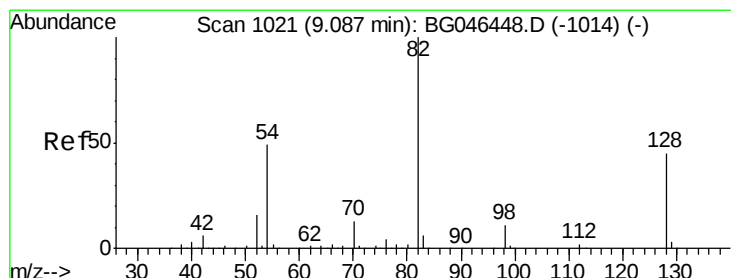
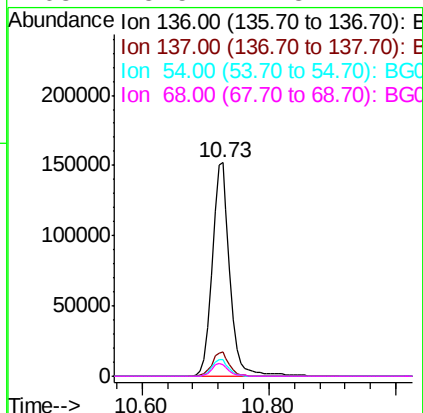
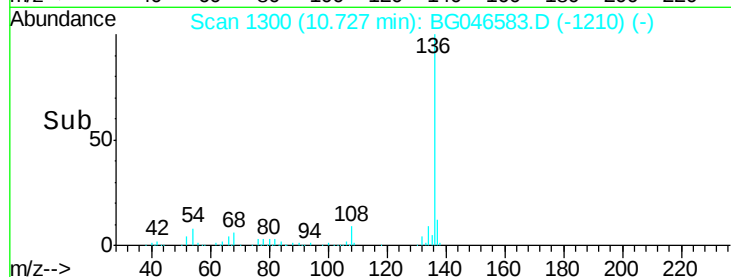
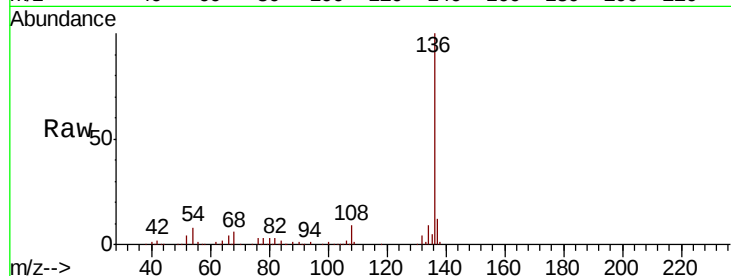




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG046583.D
Acq: 10 Sep 2020 15:50

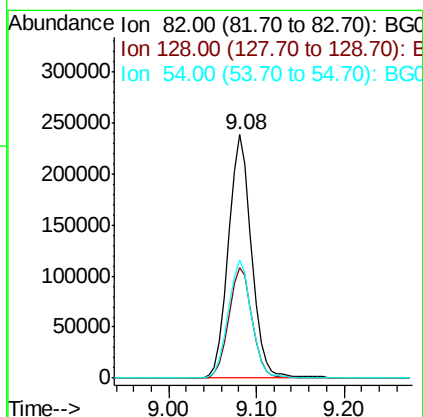
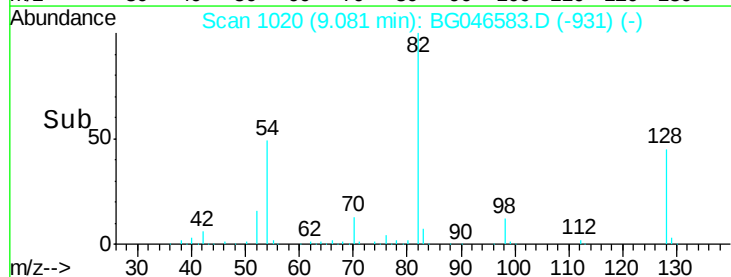
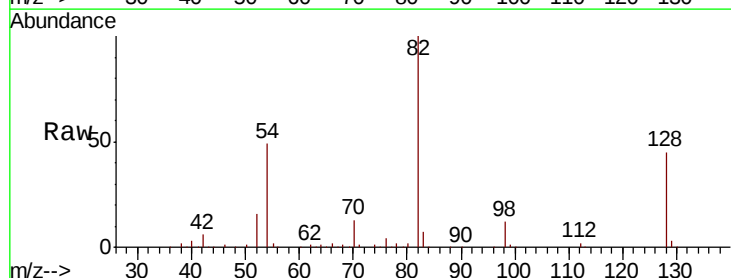
Instrument :
BNA_G
ClientSampleId :
PB131517BL

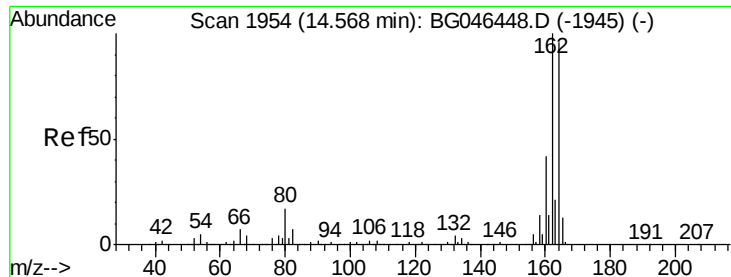
Tot Ion:136	Resp:	297210
Ion Ratio	Lower	Upper
136 100		
137 11.6	8.8	13.2
54 8.0	6.1	9.1
68 5.5	4.8	7.2



#23
Nitrobenzene-d5
Concen: 83.093 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046583.D
Acq: 10 Sep 2020 15:50

Tgt	Ion: 82	Resp:	432087
Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	48.5	39.4	59.0

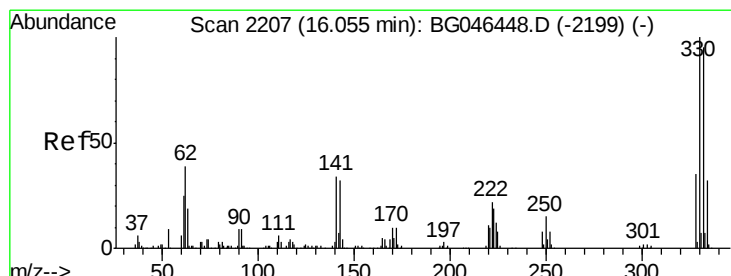
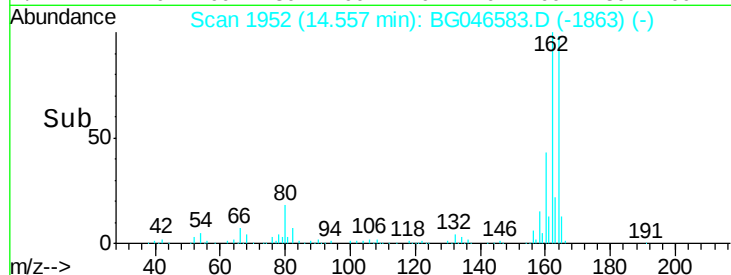
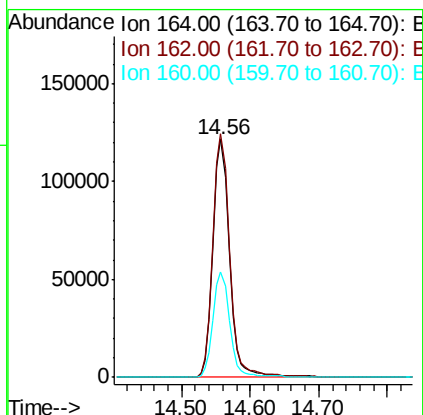
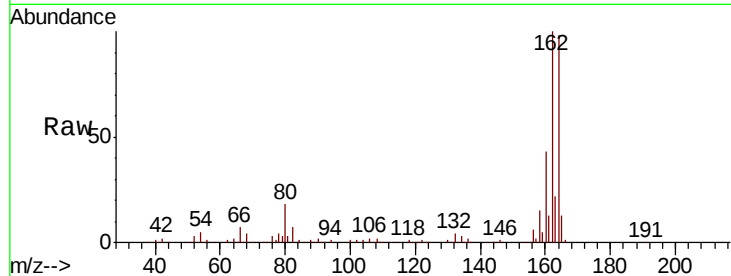




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: BG046583.D
 Acq: 10 Sep 2020 15:50

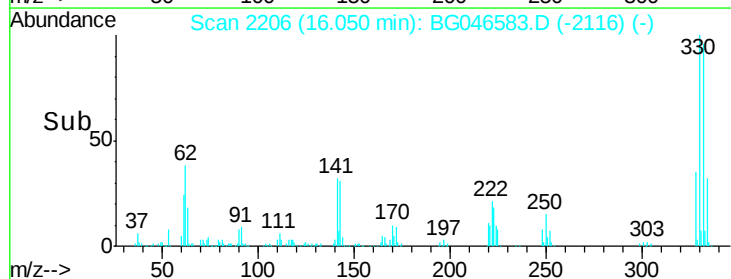
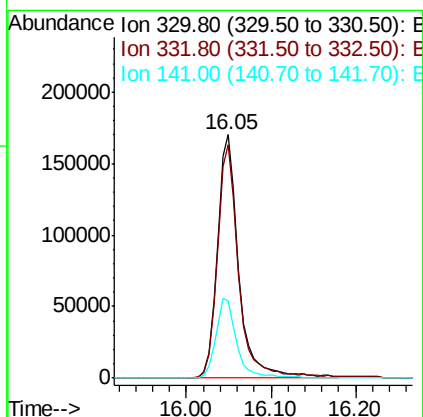
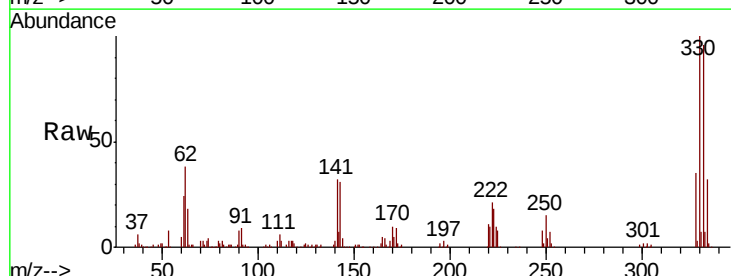
Instrument :
 BNA_G
 ClientSampleId :
 PB131517BL

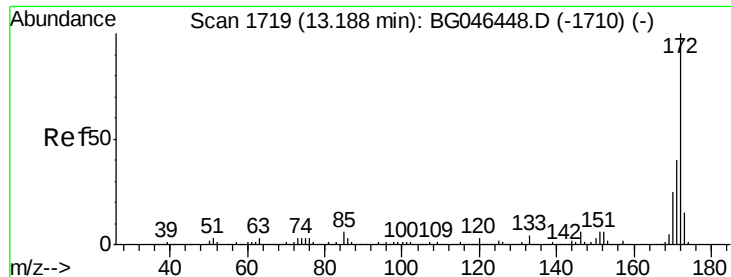
Tot Ion:164 Resp: 204951
 Ion Ratio Lower Upper
 164 100
 162 102.3 83.3 124.9
 160 44.1 35.0 52.6



#42
 2,4,6-Tribromophenol
 Concen: 108.807 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046583.D
 Acq: 10 Sep 2020 15:50

Tgt Ion:330 Resp: 302151
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.1 114.1
 141 32.7 26.1 39.1

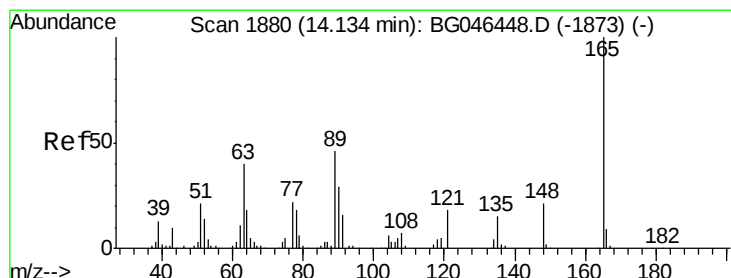
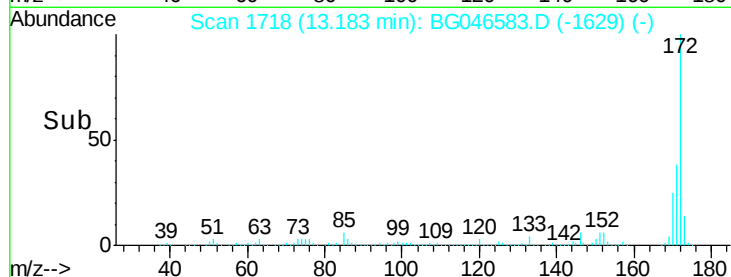
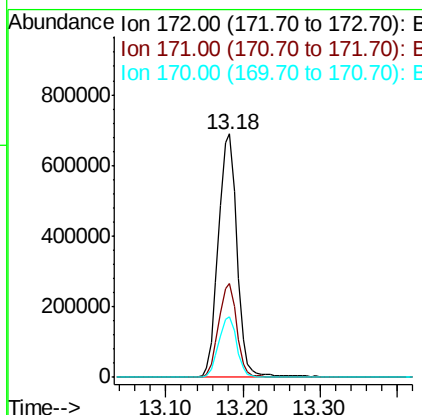
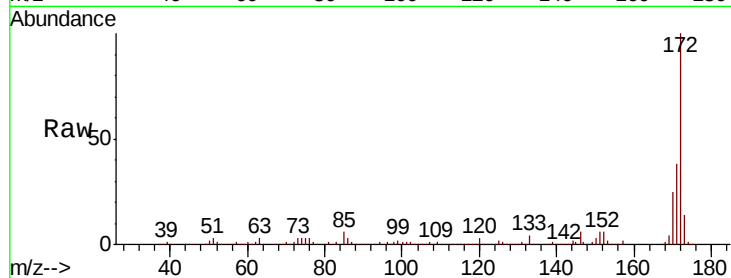




#45
2-Fluorobiphenyl
Concen: 86.577 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BG046583.D
Acq: 10 Sep 2020 15:50

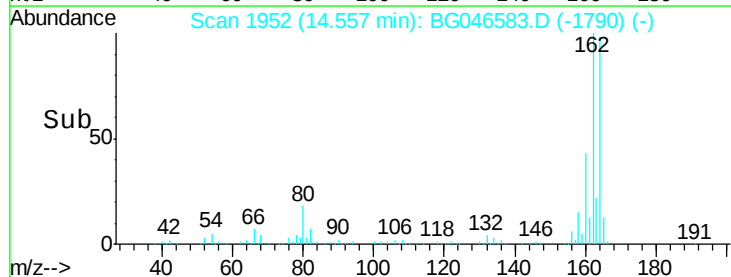
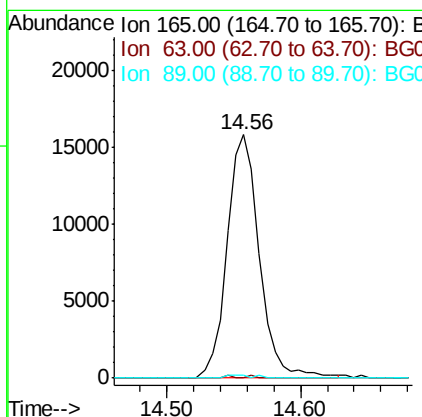
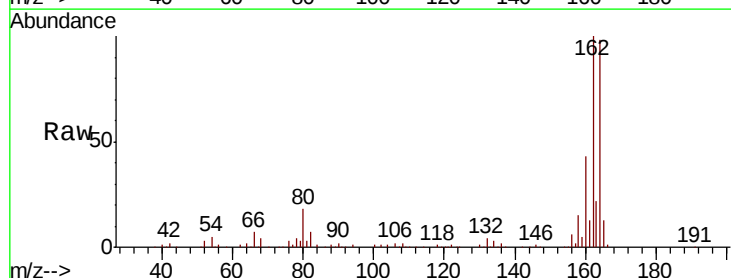
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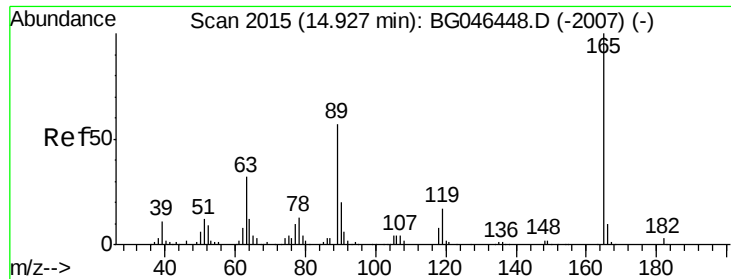
Tot Ion:172 Resp: 1162349
Ion Ratio Lower Upper
172 100
171 38.4 31.8 47.6
170 24.9 20.3 30.5



#51
2,6-Dinitrotoluene
Concen: 7.662 ng
RT: 14.56 min Scan# 1952
Delta R.T. 0.42 min
Lab File: BG046583.D
Acq: 10 Sep 2020 15:50

Tgt Ion:165 Resp: 26782
Ion Ratio Lower Upper
165 100
63 0.0 34.2 51.4#
89 1.1 37.0 55.4#

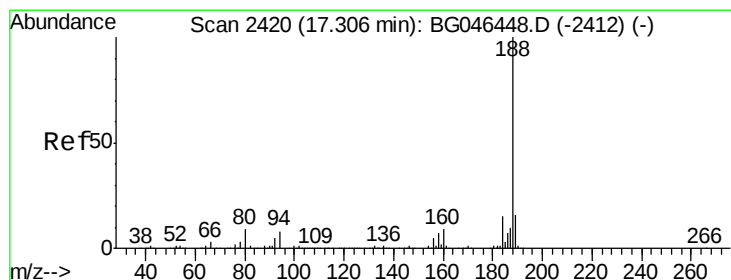
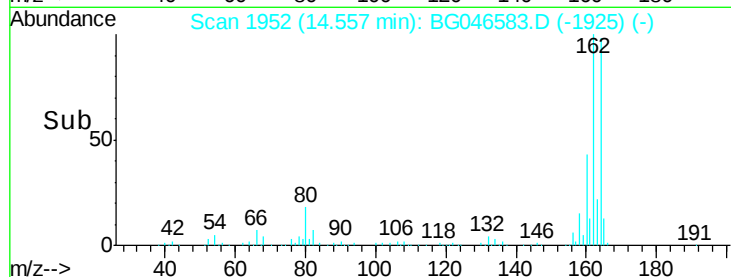
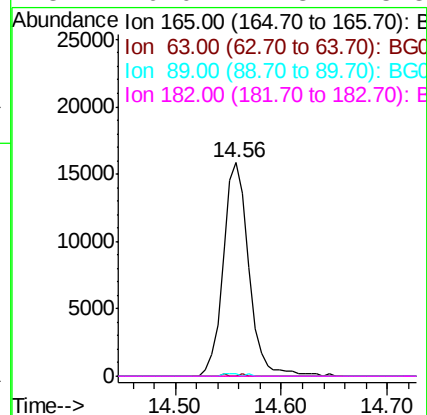
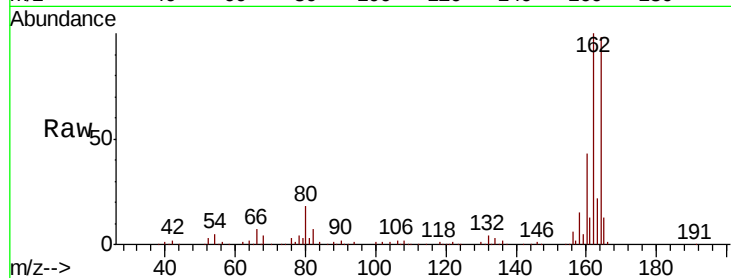




#57
 2,4-Dinitrotoluene
 Concen: 5.403 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046583.D
 Acq: 10 Sep 2020 15:50

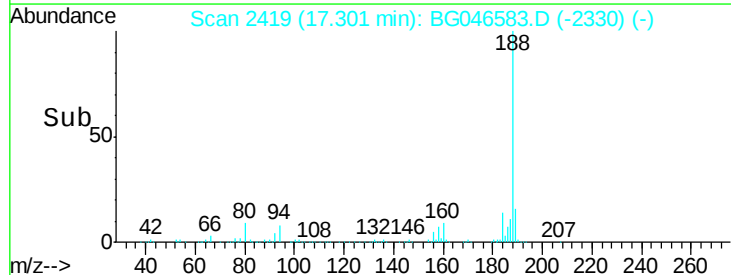
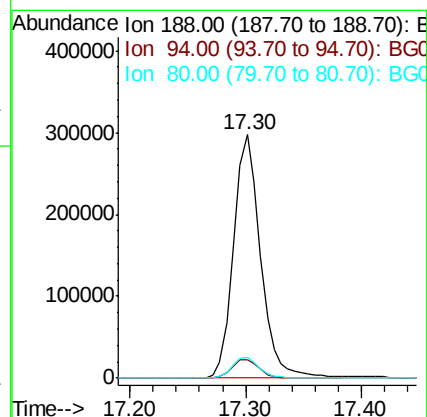
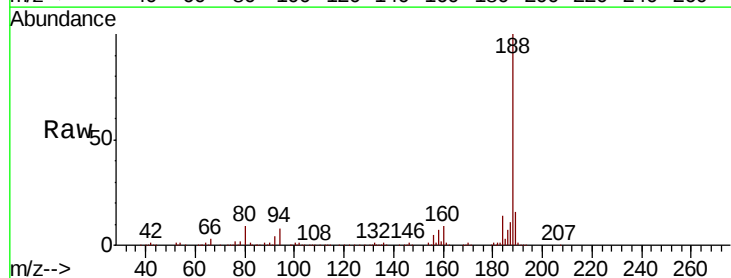
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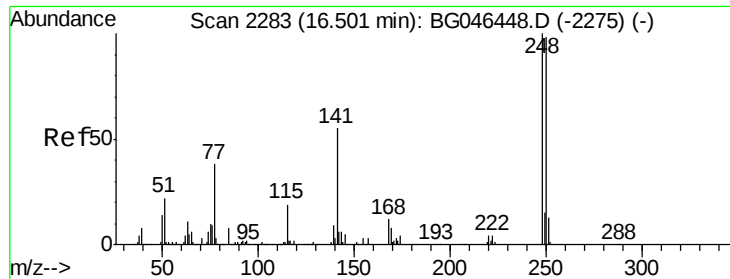
Tot Ion:165 Resp: 26929
 Ion Ratio Lower Upper
 165 100
 63 0.0 25.4 38.0#
 89 1.1 45.9 68.9#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046583.D
 Acq: 10 Sep 2020 15:50

Tgt Ion:188 Resp: 484310
 Ion Ratio Lower Upper
 188 100
 94 7.6 6.3 9.5
 80 8.6 6.9 10.3

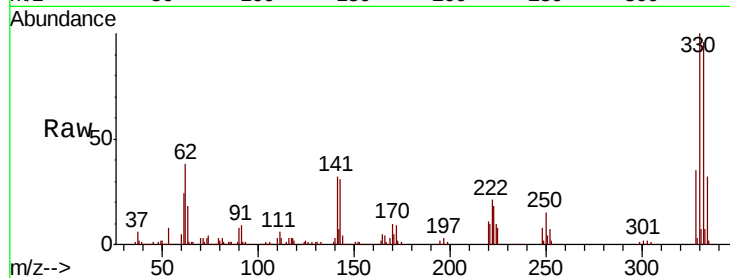




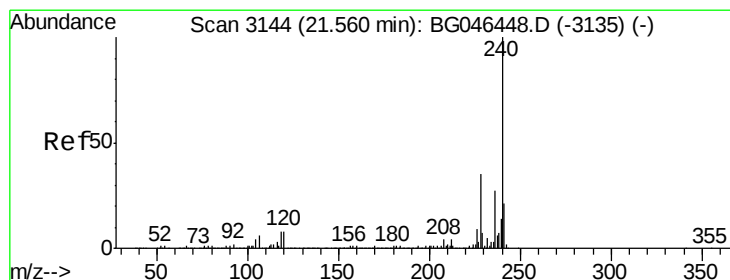
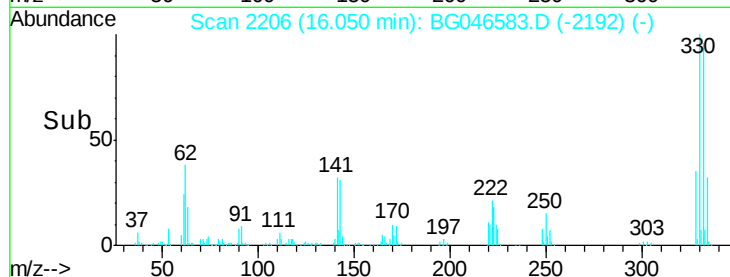
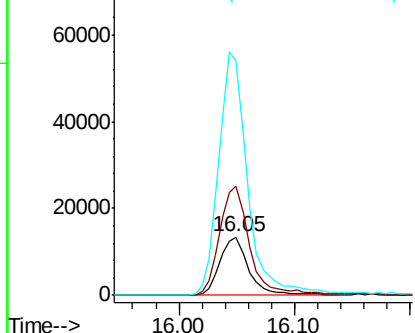
#67
4-Bromophenyl-phenylether
Concen: 4.132 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046583.D
Acq: 10 Sep 2020 15:50

Instrument :
BNA_G
ClientSampleId :
PB131517BL

Tot Ion:248 Resp: 23346
Ion Ratio Lower Upper
248 100
250 187.7 78.6 118.0#
141 403.1 43.9 65.9#

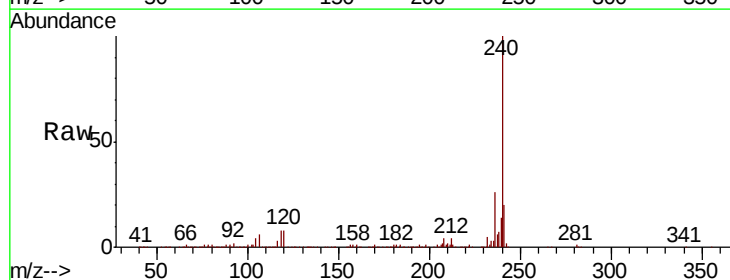


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

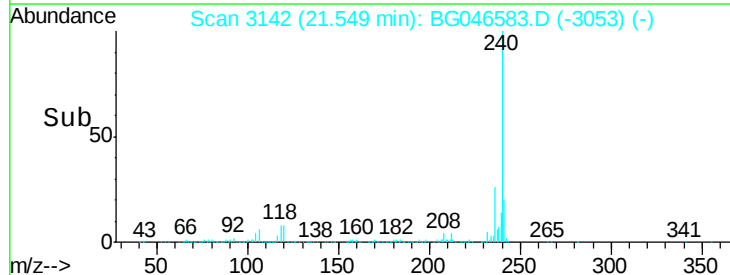
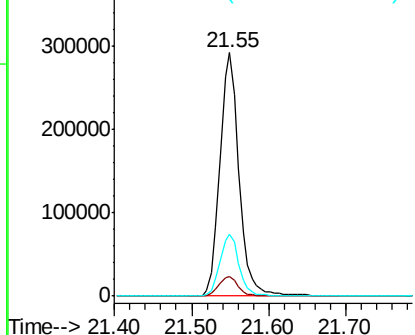


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG046583.D
Acq: 10 Sep 2020 15:50

Tgt Ion:240 Resp: 504119
Ion Ratio Lower Upper
240 100
120 8.1 6.6 10.0
236 25.6 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.313 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.38 min

Lab File: BG046583.D

Acq: 10 Sep 2020 15:50

Instrument :

BNA_G

ClientSampleId :

PB131517BL

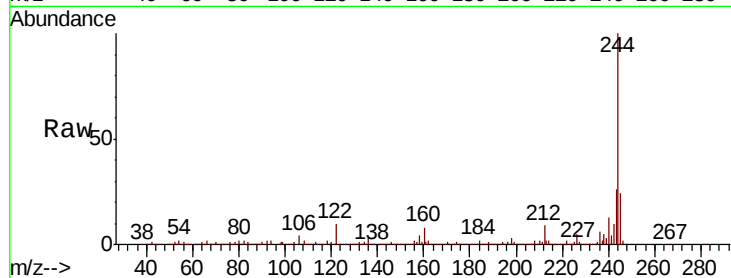
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Ion Ratio Lower Upper

184 100

185 17.5 11.8 17.8

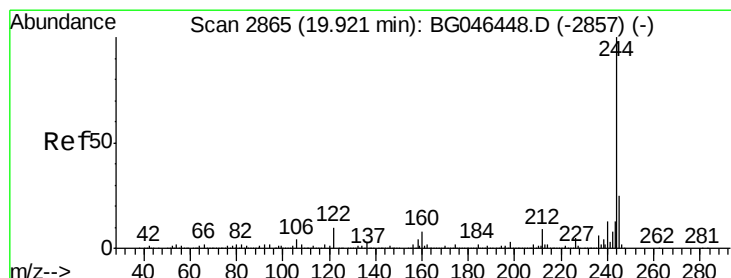
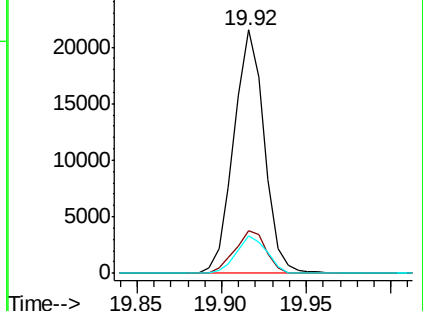
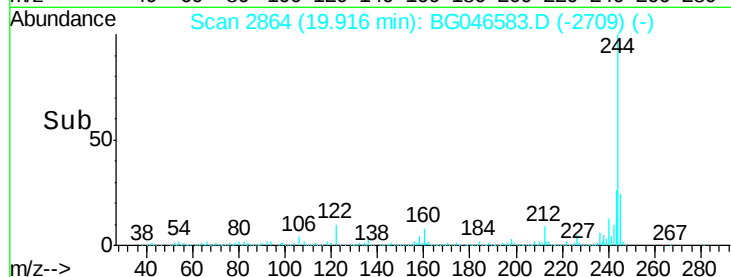
183 15.6 10.7 16.1



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 75.744 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046583.D

Acq: 10 Sep 2020 15:50

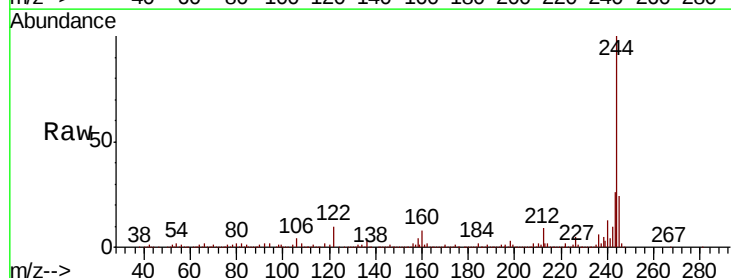
Tgt Ion:244 Resp: 1794205

Ion Ratio Lower Upper

244 100

212 8.7 6.9 10.3

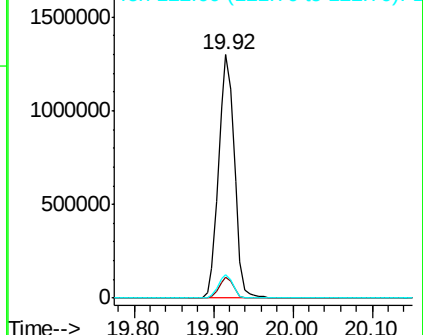
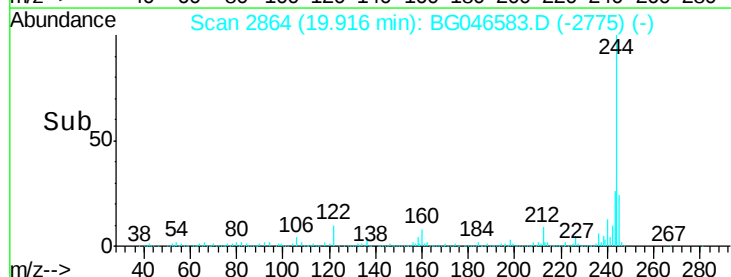
122 9.7 8.2 12.4

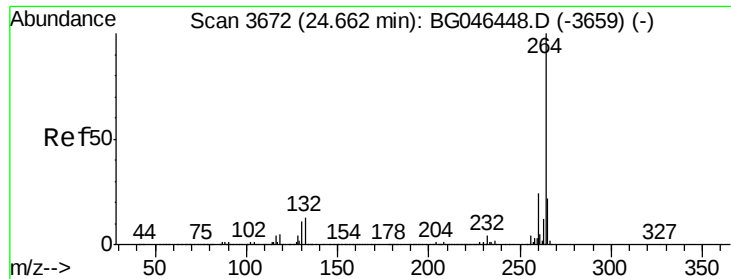


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

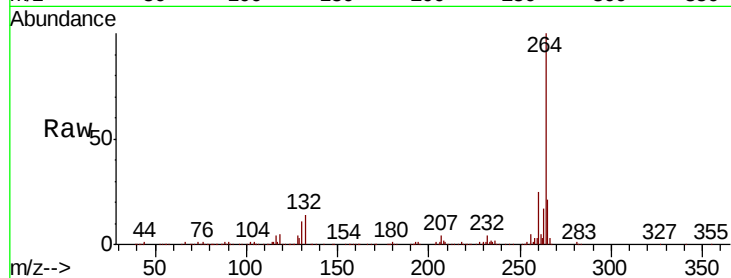




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.65 min Scan# 3670
 Delta R.T. -0.00 min
 Lab File: BG046583.D
 Acq: 10 Sep 2020 15:50

Instrument :
 BNA_G
 ClientSampleId :
 PB131517BL

Tot Ion:264 Resp: 487474
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 21.3 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

